with the top to the left for projection on opaque screens, and to the eight for projection through translucent acreens.

RAISING THE PICTURE

Raising the picture on the acreen is done by gulling backward on the lever (11) in the right side of the base.

CHANGING LAMPS

Remove timer lump house by lifting off the lamp house cover (15). Lift metal cap from lamp. Remove lamp by pressing downgently and turning counter-clockwise until it comes to a stop, then withdraw lamp. Put new lamp into position by locating lugs in slots, then press down gently and turn clockwise until lamp is held filmly. Replace metal cap on lamp, and teplace timer lamp house and cover. An extra lamp should always be kept in reserve to as in avoid delay when the one in one has burned out or by chance broken.

KEEP GLASS CLEAN I

Clear, linen rain are most satisfactory for wiping the glass. The front and rear surfaces of the projectors lens are easily wiped by temoving the lens mount from the Projector. Do not try to remove the lens from the nickel-plated mount in which it is scaled. With the fillingute open, the aperture glasses (5 and 6) can be cleaned on their faces only. If necessary to wipe the reverse surfaces, the front decrease glass in its holder is released by springing the little ratches at (14) and opposite; while the tear aperture glass is removed by grasping its sides with thumb and foreinger, pushing toward the top, and lifting the lower edge free from its trough.

While the inner tamp house (12) is out, as for changing tamps, both the meniscus less and the reflector can be wiped without removal from their sockets. The two bi-convex condenses lenses are teached for cleaning by sliding them out of the middle section of the Projector. To do this, with a key or coin pry off the curved housing plate at (12) and the similar one at the bottom of the middle sections, then with a finger push out the lenses from below upward.

It is important that all glassware be replaced to its original position, so as to preserve the original lighting efficiency of the Prolector.

USE OF THE SLIDE CARRIER

For 2" x 2" glass plate mounts holding individual frames requires that both the front aperture glass holder complete, and the rear aperture glass, be removed; so that the cattler operates in the space formerly occupied by them.

INTERNATIONAL RESEARCH CORPORATION
ANN ARBOR, MICHIGAN

OPERATING

ARGUS

Model A

PROJECTOR

CORPORATION

ANN ARBOR

MICHIGAN

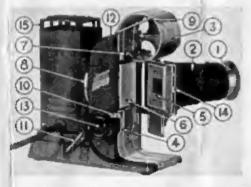
Instructions for Operating the Argus Projector

GENERAL

Always keep the Projector clean and dry, and its its case when not in use. Always have the projection lamp jurned of when threading film into the Projector.

Files are to be rolled with the dull side out for projection on regular screen; but with the shirty side out for projection through translucent screen, the first picture always on the outside of the roll.

The current used is ordinarily 110-120 volt. By changing to the appropriate lamp, the Projector can be used directly on 6-volt,



12 volt, d. 52 volt connections, It can be used us 220 volt current with the aid of a resistor inserted between the main sucket and the Projector, Lamps, resistors, and special battery connection cords can be secured from us.

THREADING THE PROJECTOR

Open the film-gate by teleasing the catch-spring (10) and swinging the less barrel (2) to the left. Hold the film by as edges, with about four inches hanging free. Raise the retaining har (9), insert the free end of the film in slot (7), and the him over the axis bar of the magazine (3), and lower the retaining har. Place sprocket holes of the free end of the film over sprocket treth (4), and hold in position while closing the film-gate completely so that catch-spring holds family.

FOCUSING

Plug the connecting cord into the source of current, and turn on the push-through switch in the connecting cord. Pull the nickle-plated lens mount (1) out about two inches, turn the operating button (13) clockwise until some sort of image appears on the screen; then move the lens mount (1) forward or backward with a resisting motion until the image is sharp on the screen.

FRAMING

When it is necessary to adjust the film so that a full frame or picture appears on the screen, the operating button (13) it thereby



pushed inward and turned clockwise until the desired framing is secured. Then the operating button is released, and it springs back into its operating position.

At each quarter-turn of the operating botton the intermittent (picture-changing mechanism) whyances one frame of the single-frame film, showing a new picture on the screen, and at each ball-turn it does

the same thing for the double-frame film. To reverse or repeat any pecture, the operating bottom is turned counter-clock wise. When reversing for more than four frames, relieve the film from binding on the magazine by grasping the inside of the roll and turning it inside the magazine so as to make the roll smaller.

To change the stopping point of the operating button, swivel the projector head so that the bottom of the condenser compartment is toward you, and you see a narrow nickel-plated control slide fitted with a peg; show on this peg to place the slide in the position indicated by the legend. The distance the slide will move is about \(\frac{1}{16}\) inch.

MASKING

The holder of the front aperture glass (5) forms the mask used with double-frame pictures. To insert the smaller mask used with single-frame pictures, release this holder by springing cattles at (14) and opposite, fit the single-frame mask snugly in place against the free face of the double-frame mask, and map the front aperture glass holder back into place against the base of the tens burrel.

SWIVELING

The swivel (8) holds the projector-head firm. For single-frame pictures the head is kept upright, as it is for vertical double-frame pictures. For horizontal double-frame pictures the head is swiveled